

Application No.: 10/020,547  
Amendment dated: January 5, 2004  
Reply to Office Action of October 9, 2003

Amendments to the Specification:

Please replace the paragraph beginning at page 10, lines 8-21, with the following rewritten paragraph:

-- The dimercaptans have the general formula as follows:



where R is selected from the group consisting of branched and linear C2 to C20 alkyene, C6 to C20 arylene, C7 to C20 alkyarylene and C4 to C20 cycloalkylene groups and R"XR" where R" is selected from the group consisting of branched and linear C2 to C10 alkylene, C6 to C10 arylene, C7 to C10 alkyarylene and C4 to C10 cycloalkylene groups; where X is selected from the group consisting of O, S, NH, NR' and mixtures thereof and where R' is selected from the group consisting of branched and linear C1 to C10 alkylene, C6 to C10 arylene, C7 to C10 alkyarylene and C4 to C10 cycloalkylene groups. A suitable and useful dimercaptan is the Thiokol™ family of prepolymers, which vary from about 1000 g/mol to about 8000 g/mol. Thiokol is a registered trademark. The formula is as follows:



where n is 2 to 60--